



#### APS NOTES:

- PUSH BUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
- THE 10' SEPARATION BETWEEN PUSH BUTTONS IS TO BE MEASURED FROM FACE OF PUSH BUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
- PUSH BUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
- LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09 AND FIG. 4E.2 AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSH BUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
- APS WILL FUNCTION AS FOLLOWS:

#### TO CROSS MD 108 AT SPARTAN RD.

- A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:  
"WAIT TO CROSS ONLY SANDY SPRING AT SPARTAN WAIT."  
B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

#### TO CROSS SPARTAN RD AT MD 108

- A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:  
"WAIT TO CROSS SPARTAN AT ONLY SANDY SPRING WAIT."  
B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

#### GEOMETRIC CONSTRUCTION DETAILS:

- INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12) (NOTE: ONE 24"x60" DETECTABLE WARNING SURFACE.)
- INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12) (NOTE: TWO 24"x48" DETECTABLE WARNING SURFACES.)
- INSTALL PARALLEL SIDEWALK RAMP (STANDARD NO. MD 655.12) (NOTE: THREE 24"x36" DETECTABLE WARNING SURFACES.)
- INSTALL PERPENDICULAR SIDEWALK RAMP (STANDARD NO. MD 655.11) (NOTE: ONE 24"x60" DETECTABLE WARNING SURFACE.)
- INSTALL CUT-THROUGH WALKWAY (STANDARD NO. MD 655.21) (NOTE: TWO 24"x60" DETECTABLE WARNING SURFACES.)
- RECONSTRUCT CUT-THROUGH WALKWAY (STANDARD NO. MD 655.21) (NOTE: TWO 24"x60" DETECTABLE WARNING SURFACES.)
- INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER (STANDARD NO. MD 620.02).
- INSTALL STANDARD TYPE A CURB (STANDARD NO. MD 620.02).
- INSTALL CURB AND GUTTER FOR CONCRETE ISLAND, FILL WITH 5" SIDEWALK.
- BEGIN 12:1 RAMP
- BEGIN 48:1 LEVEL LANDING AREA.
- TIE IN RAMP WITH EXISTING SIDEWALK AT JOINT.
- TIE NEW CURB TO EXISTING CURB AT JOINT.

TOD NO: XX655-18  
SHA NO: MO97285C  
MD 108 @ Spartan Road



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 108 (OLNEY SANDY SPRING ROAD) AT  
SPARTAN ROAD  
OLNEY, MD

#### GEOMETRIC PLAN SHEET

SCALE: 1" = 10' ADVERTISED DATE: 12/20/11 CONTRACT NO.: XX6555185

DESIGNED BY: DM COUNTY: MONTGOMERY  
DRAWN BY: DM LOGMILE: 15010813.67  
CHECKED BY: RM TMS NO.: K700  
F.A.P. NO.: TOD NO.:

TS NO. 2503C DRAWING: OF SHEET NO. 2 OF 3

#### LEGEND SYMBOL

- 36" SIGNAL POLE FOUNDATION
- 18" PED POLE FOUNDATION W/SIGN AND PUSHBUTTON
- PED SIGN AND PUSHBUTTON
- SIGNAL CABINET W/PAD
- POWER PEDESTAL
- HANDHOLE
- CONDUIT RUN

#### GEOMETRIC LEGEND

- EXISTING SIDEWALK/CURB JOINT (APPROXIMATE)
- NEW SIDEWALK AND ADA HANDICAP RAMP



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PLOTTED: Wednesday, January 04, 2012 AT 02:19 PM  
FILE: P:\09-002 TED\Task 32 MD 108 @ Spartan Rd\Drawings\CADD\Working\p55-P002\_M108@Spartan.Rdp